

ABSTRACT OF THE DISCLOSURE

A hydrogen station includes a water electrolyzer for producing hydrogen containing moisture, a first dewatering device capable of capturing the moisture from the hydrogen to provide the hydrogen in a dry state, a tank for storage of the hydrogen in the dry state, a second dewatering device adapted to replace the first dewatering device when the function of the first dewatering device has declined with an increase in amount of moisture captured, and regenerating equipment for regenerating the first dewatering device after being replaced, thereby recovering the water-capturing ability thereof. The regenerating equipment has a function of heating the first dewatering device to evaporate the captured moisture, a function of permitting the regenerating hydrogen in the dry state to flow into the first dewatering device and permitting regenerating hydrogen containing the moisture to flow out of the first dewatering device, and a function of removing the moisture from the regenerating hydrogen to provide regenerating hydrogen in a dry state.

TUE 11 SEP 1996 00